

STATE OF IOWA
DEPARTMENT OF COMMERCE
UTILITIES BOARD

IN RE: UPDATE OF GAS AND ELECTRIC SAFETY STANDARDS	DOCKET NO. RMU-02-1
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ORDER COMMENCING RULE MAKING

(Issued January 17, 2002)

Pursuant to the authority of Iowa Code §§ 476.1, 476.1A, 476.2, 478.1, 479.17, and 17A.4 (2001), the Utilities Board proposes to adopt the rules attached hereto and incorporated herein by reference in this order. These rules amend 199 IAC 10.12(1), 10.17, 19.5(2), 19.6(3), 19.8(3), 20.5(2), 20.6(3)"a," and 25.2(5)"b." This proceeding has been identified as Docket No. RMU-02-1. The reasons for proposing these amendments are set forth in the attached notice of intended action.

IT IS THEREFORE ORDERED:

1. A rule making proceeding identified as Docket No. RMU-02-1 is commenced for the purpose of receiving comments on the proposed rules in the notice attached hereto and incorporated herein by reference in this order.

2. The Executive Secretary is directed to submit for publication in the Iowa Administrative Bulletin a notice in the form attached to and incorporated by reference in this order.

UTILITIES BOARD

/s/ Diane Munns

/s/ Mark O. Lambert

ATTEST:

/s/ Judi K. Cooper
Executive Secretary

Dated at Des Moines, Iowa, this 17th day of January, 2002.

UTILITIES DIVISION [199]

Notice of Intended Action

Pursuant to Iowa Code sections 17A.4, 476.1, 476.2, and 479.17, the Utilities Board (Board) gives notice that on January 17, 2002, the Board issued an order in Docket No. RMU-02-1, In re: Update of Gas and Electric Safety Standards, "Order Commencing Rule Making." The Board is proposing to amend 199 IAC 10.12(1), 10.17, 19.5(2), 19.6(3), 19.8(3), 20.5(2), 20.6(3)"a," and 25.2(5)"b" to update the references in these rules to the most recent federal pipeline safety standards or most current industry association gas and electric safety and metering standards. The Board adopted prior federal pipeline safety standards and national gas and electric safety and metering standards to ensure that gas pipelines and electric power lines are constructed, maintained, and operated as safely as possible and that gas and electric consumption is accurately metered. The current rules have not been updated since 1999, and there have been more recent amendments to the federal safety standards and more recent editions of national gas and safety standards. In addition, the current rules contain references to hazardous liquid pipeline standards that are no longer applicable. The rules will be updated to include the most recent federal standards, the most current editions of industry standards, and deletion of standards no longer applicable, prior to the first possible adoption date for these amendments, March 13, 2002.

Pursuant to Iowa Code sections 17A.4(1)"a" and "b," any interested person may file a written statement of position pertaining to the proposed amendments. The statement must be filed on or before February 26, 2002, by filing an original and ten copies in a form substantially complying with 199 IAC 2.2(2). All written statements should clearly state the author's name and address and should make specific reference to this docket. All communications should be directed to the Executive Secretary, Iowa Utilities Board, 350 Maple Street, Des Moines, Iowa 50319-0069.

No oral presentation is scheduled at this time. Pursuant to Iowa Code section 17A.4(1)"b," an oral presentation may be requested or the Board on its own motion after reviewing the statements may determine that an oral presentation should be scheduled.

These amendments are intended to implement Iowa Code sections 17A.4, 476.1, 476.1A, 476.2, 478.1, and 479.17.

The following amendments are proposed.

Item 1. Amend subrule 10.12(1) as follows:

10.12(1) All pipelines, underground storage facilities, and equipment used in connection therewith shall be designed, constructed, operated, and maintained in accordance with the following standards:

a. 49 CFR Part 191, "Transportation of Natural and Other Gas by Pipeline, Annual Reports, Incident Reports, and Safety-Related Condition Reports," as amended through ~~April 30, 1999~~ March 13, 2002.

~~b. 49 CFR Part 192, "Transportation of Natural and Other Gas by Pipeline; Minimum Federal Safety Standards," as amended through April 30, 1999~~ March 13, 2002.

~~c. 49 CFR Part 195, "Transportation of Hazardous Liquids by Pipeline," as amended through April 30, 1999.~~

~~c.d. 49 CFR Part 199, "Drug and Alcohol Testing," as amended through April 30, 1999~~ March 13, 2002.

~~e. ASME B31.4 - 1992, "Liquid Transportation Systems for Hydrocarbons, Liquid Petroleum Gas, Anhydrous Ammonia, and Alcohols."~~

~~d.f. ASME B31.8 -1999~~ 1995, "Gas Transmission and Distribution Piping Systems."

~~e.g. ASME B31.11 - 1989, "Slurry Transportation Piping Systems."~~

~~f.h. 199 IAC chapter 9, "Protection of Underground Improvements and Soil Conservation Structures and Restoration of Agricultural Lands After Pipeline Construction"~~ "Restoration of Agricultural Lands During and After Pipeline Construction."

Conflicts between the standards established in the above paragraphs, or between the requirements of this rule and other requirements which are shown to exist by appropriate written documentation filed with the board, shall be resolved by the board.

Item 2. Amend rule 10.17 as follows:

10.17. Accidents and incidents. Any pipeline incident or accident which is reportable to the U.S. Department of Transportation under 49 CFR Part 191 ~~or Part 195~~ as amended through ~~April 30, 1999~~ March 13, 2002, shall also be reported to the board, except that the minimum economic threshold of damage required for reporting to the board is \$15,000. Duplicate copies of any written accident reports and safety-related condition reports submitted to the U.S. Department of Transportation shall be provided to the board.

Item 3. Amend subrule 19.5(2) as follows:

19.5(2) *Standards incorporated by reference.*

a. The design, construction, operation, and maintenance of gas systems and liquefied natural gas facilities shall be in accordance with the following standards where applicable:

(1) 49 CFR Part 191, "Transportation of Natural and other Gas by Pipeline, Annual Reports, Incidents Reports, and Safety-Related Condition Reports," as amended through ~~April 30, 1999~~ March 13, 2002.

(2) 49 CFR Part 192, "Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards," as amended through ~~April 30, 1999~~ March 13, 2002.

(3) 49 CFR Part 193, "Liquefied Natural Gas Facilities: Federal Safety Standards," as amended through ~~April 30, 1999~~ March 13, 2002.

(4) 49 CFR Part 199, "Drug and Alcohol Testing," as amended through ~~April 30, 1999~~ March 13, 2002.

(5) ASME B31.8 ~~1995~~ 1999, "Gas Transmission and Distribution Piping Systems."

(6) ANSI/NFPA No.59-~~1998~~ 2001, "Standard for the Storage and Handling of Liquefied Petroleum Gases at Utility Gas Plants."

b. The following publications are adopted as standards of accepted good practice for gas utilities:

(1) ANSI A223.1/NFPA 54-~~1996~~ 1999, "National Fuel Gas Code."

(2) ANSI A225/NFPA 501A-~~1997~~ 2000 "Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities."

Item 4. Amend subrule 19.6(3) as follows:

19.6(3) *Accepted good practice.* The following publications are considered to be representative of accepted good practice in matters of metering and meter testing:

a. American National Standard for Gas Displacement Meters (500 Cubic Feet Per Hour Capacity and Under), ANSI B109.1 ~~1992~~ 2000.

b. American National Standard for Diaphragm Type Gas Displacement Meters (Over 500 Cubic Feet Per Hour Capacity), ANSI B109.2 ~~1992~~ 2000.

c. American National Standard for Rotary Type Gas Displacement Meters, ANSI B109.3 ~~1992~~ 2000.

~~d. Handbook E-4: Displacement Gas Meters, American Meter Company, 1970.~~

d. Measurement of Gas Flow by Turbine Meters, ANSI/ASME MFC-4M-~~1990~~ 1997.

~~f. Measurement of Fuel Gas by Turbine Meters, American Gas Association Transmission Measurement Committee Report No. 7, 1981.~~

Item 5. Amend subrule 19.8(3) as follows:

19.8(3) *Turning on gas.* Each utility upon the installation of a meter and turning on gas or the act of turning on gas alone shall take the necessary steps to assure itself that there exists no flow of gas through the meter which is a warning that the customer's piping or appliances are not safe for gas turn on. (Ref: Sec. 4.2 and Appendix D, ANSI Z223.1/NFPA 54-~~1996~~ 1999).

Item 6. Amend subrule 20.5(2), introductory paragraph and paragraphs "b," "c," and "d" as follows:

20.5(2) ~~*Acceptable standards*~~ *Standards incorporated by reference.* The utility shall use the applicable provisions in the publications listed below as standards of accepted good practice unless otherwise ordered by the board.

b. National Electrical Code, ANSI/NFPA 70-~~1999~~ 2002.

c. American National Standard Requirements for Instrument Transformers. ANSI/IEEE C57.13.1(~~1981~~); C57.13.2(~~1992~~); and C57.13.3 (~~1983~~) - 1981(R1999); and C57.13.3-1983 (R1991).

d. American National Standard Requirements for Electrical Analog Indicating Instruments, ANSI C39.1-1981 (R1992).

Item 7. Amend paragraph 20.6(3)"a" as follows:

a. American National Standard Code for Electricity Metering, ANSI C12.1-~~1995~~ 2001.

Item 8. Amend subrule 25.2(1) as follows:

25.2(1) *National Electrical Safety Code.* The American National Standards Institute (ANSI) C2-~~1997~~ 2002 "National Electrical Safety Code" (NESC) as

ultimately conformed to the ANSI-approved draft by correction of publishing errors through issuance of printed corrections is adopted as part of the Iowa electrical safety code, except Part 4, "Rules for Operation of Electric Supply and Communications Lines and Equipment," which is not adopted by the board.

Item 9. Amend subrule 25.2(5) as follows:

25.2(5) *Other references adopted.*

a. The "National Electric Code," ANSI/NFPA 70-~~1999~~ 2002, is adopted as a standard of accepted good practice for customer owned electrical facilities beyond the utility point of delivery.

b. "The Lineman's and Cableman's Handbook," ~~Eighth~~ Ninth Edition; Kurtz, Edwin B. and Shoemaker, Thomas M.; New York, McGraw-Hill Book Co., is adopted as a recommended guideline to implement the "National Electrical Safety Code" or "National Electrical Code," and for developing the inspection and maintenance plans required by 199 IAC 25.3(476,478).

January 17, 2002

/s/ Diane Munns

Diane Munns
Chairman